

# Albuquerque Bernalillo County Water Utility Authority

Political subdivision of State of New Mexico  
~ 650 Employees

~ **210,000** Customer Accounts

~ **670,000** People Served

~ **3,200** Miles of Supply Pipeline

~ **2,500** Miles of Sewer Collector Pipeline

- ✓ 96 Groundwater Wells
- ✓ San Juan-Chama Surface Water
- ✓ Reuse and Non-Potable Lines



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# How was the Water 2120 plan developed?

- Demand – How much water do we need?
- Supply – How much water do we have?
- Gaps – Do we need additional supply?
- Filling the Gaps – What will the new supplies be?

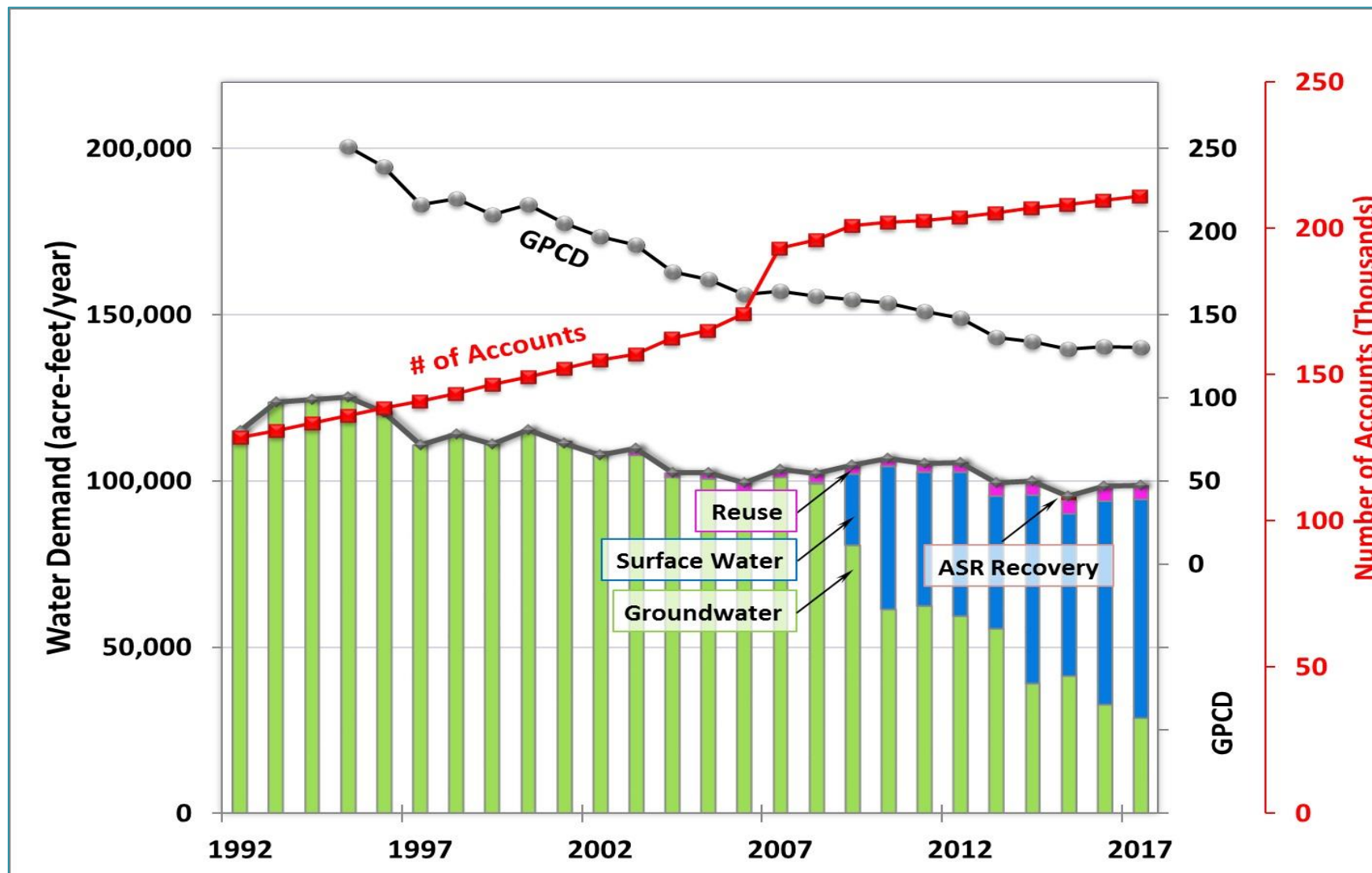
## Key Elements:

- **Additional conservation**
- Watershed restoration
- Groundwater Reserve management (more conservative than current practice)
- Based on observational data
- Used best available climate change science



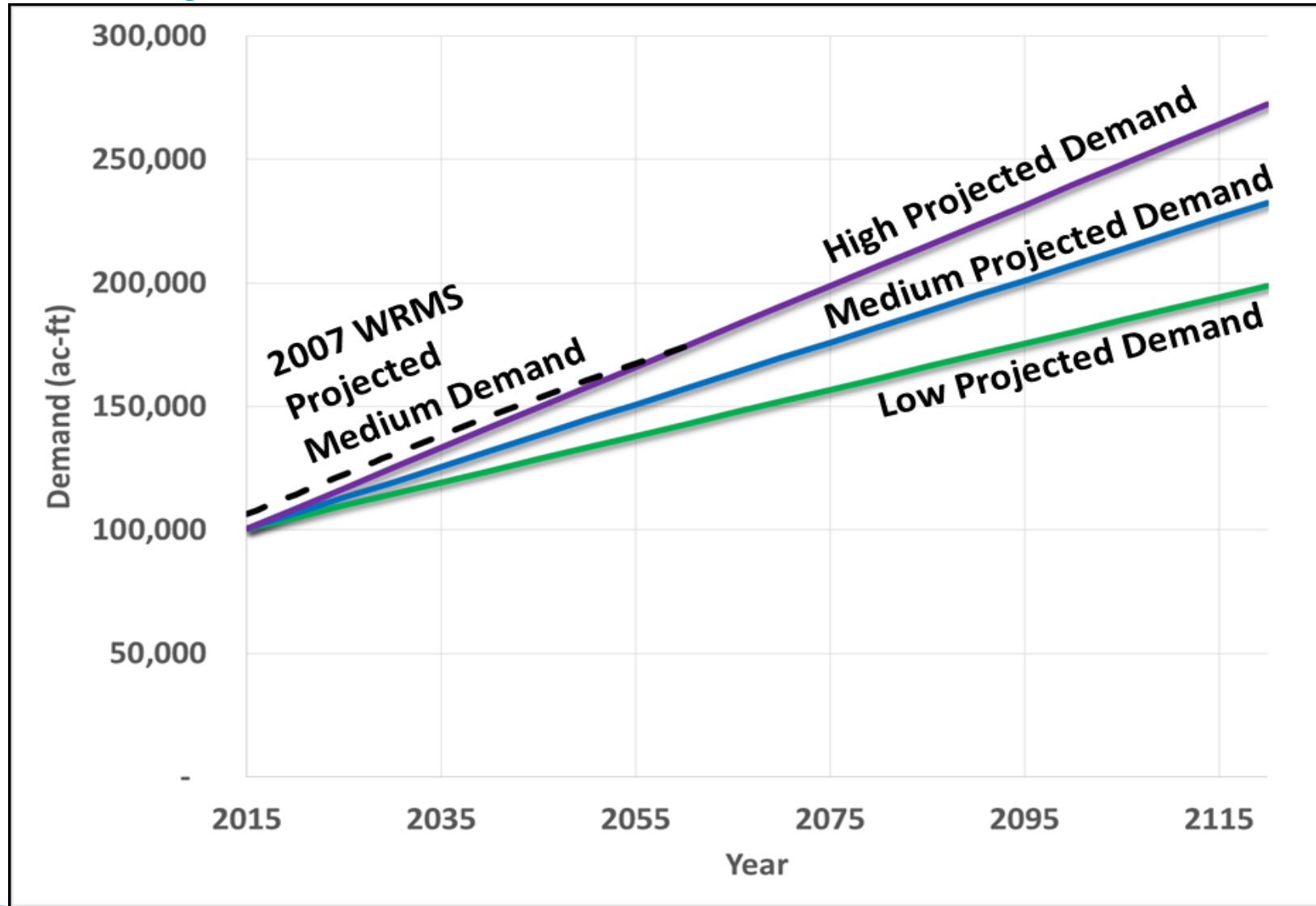
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# Decreasing demand, Increasing Resiliency



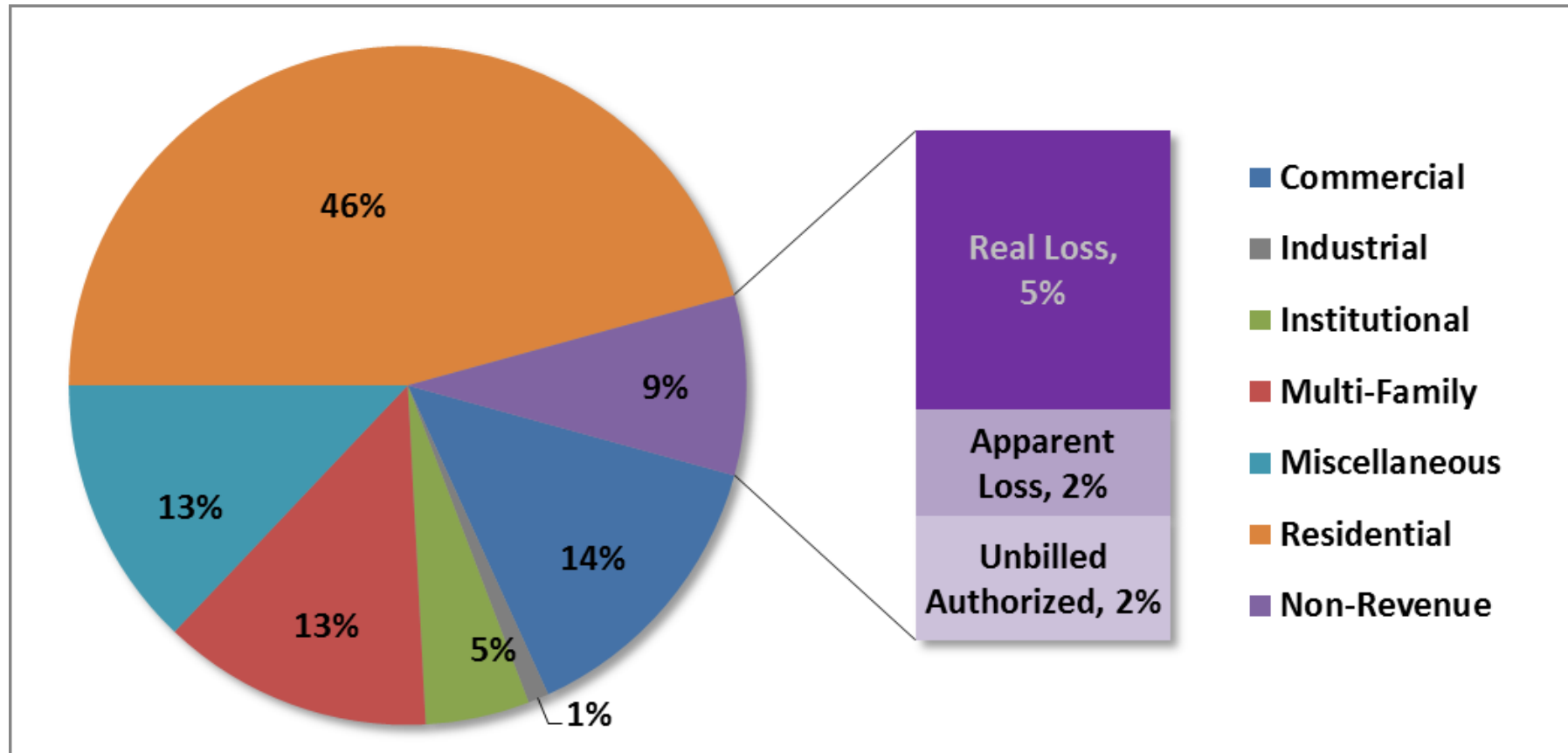
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# Demand Projections

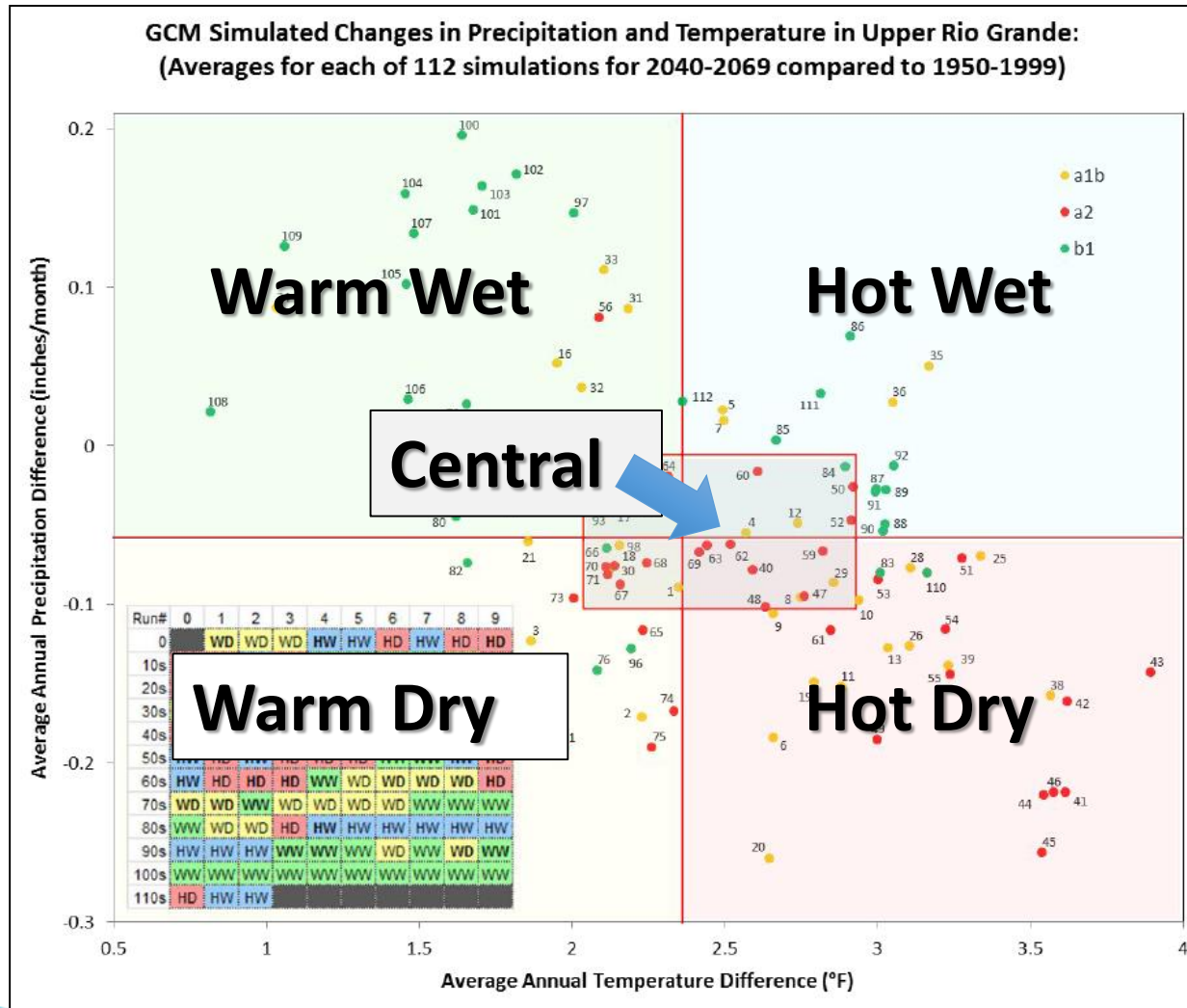


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## (Current) Average Water Demand Percentage by Sector



# Climate Change Data



The climate-change data were derived by Reclamation from base data first developed as part of the West-Wide Climate Risk Assessment.

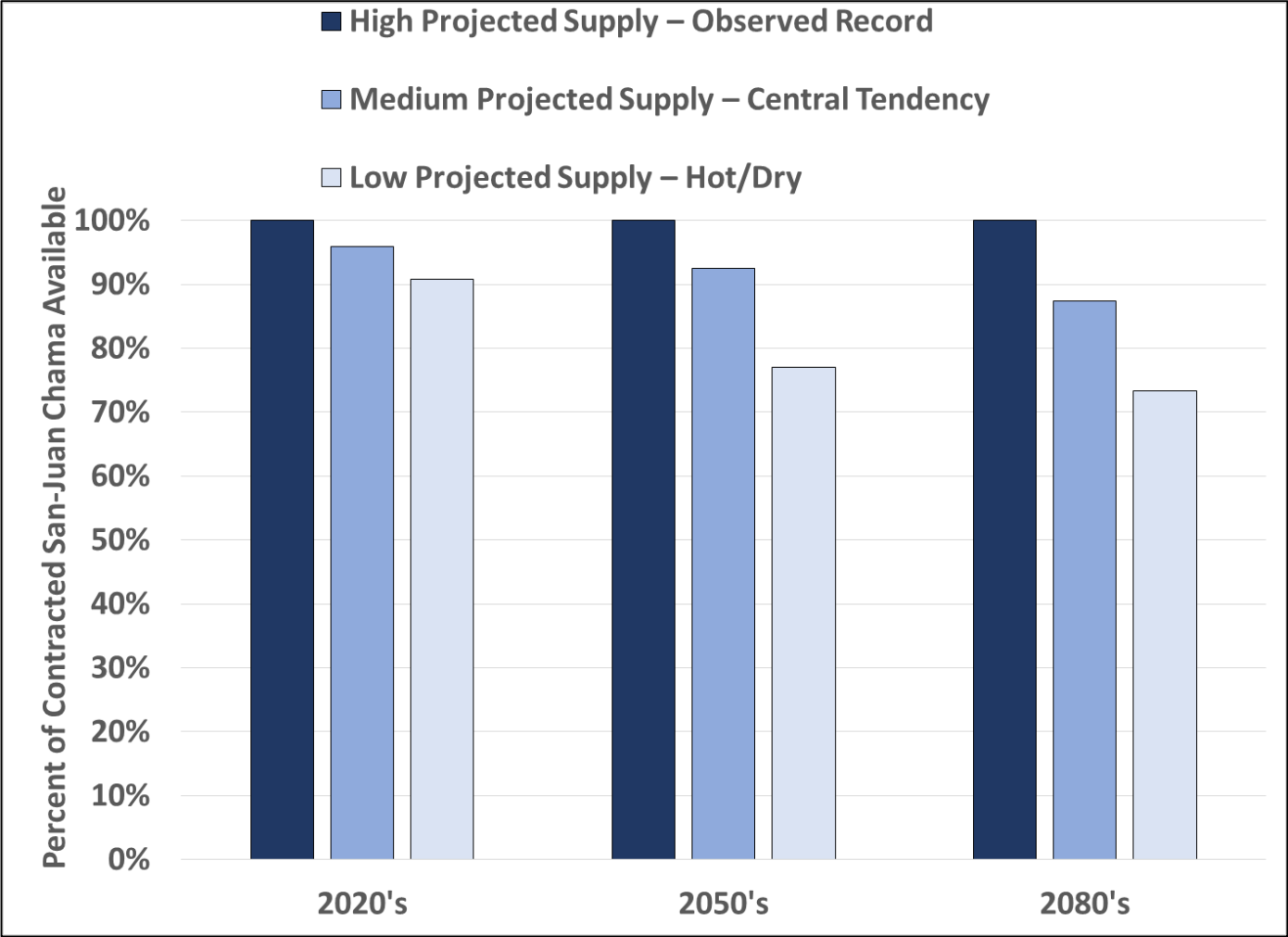


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# Supply Projections Include Historical and Climate Change



# Meeting the Demand

- Existing supplies (groundwater and surface water)
- **Conservation – 110 GPCD in 20 years**
- Reuse – includes ASR and/or new storage
  - Connect North I-25 Non-potable to Southside Reuse
  - Indirect potable reuse
- Storm water capture
- Watershed management



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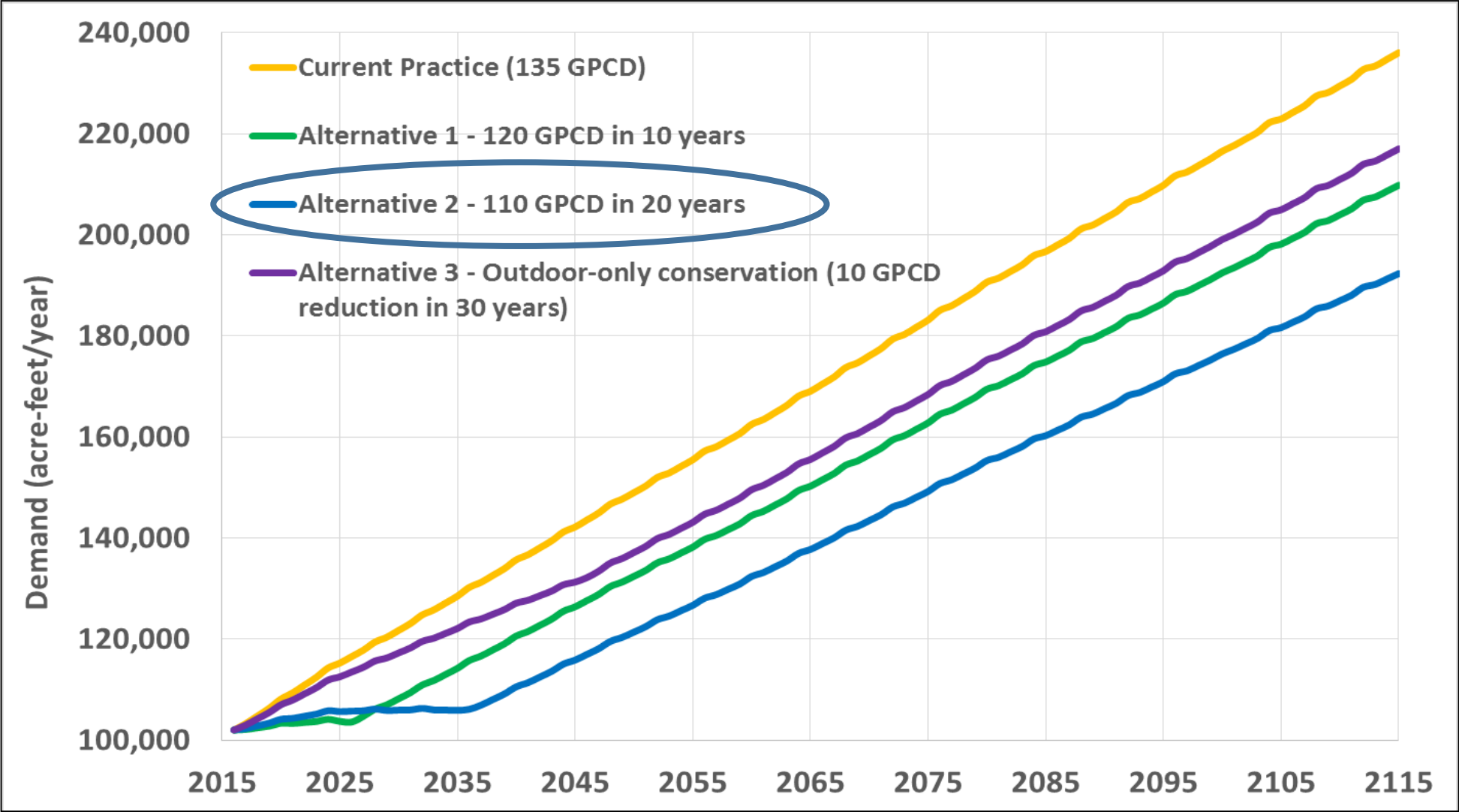


# Water 2120: Updated Conservation Plan



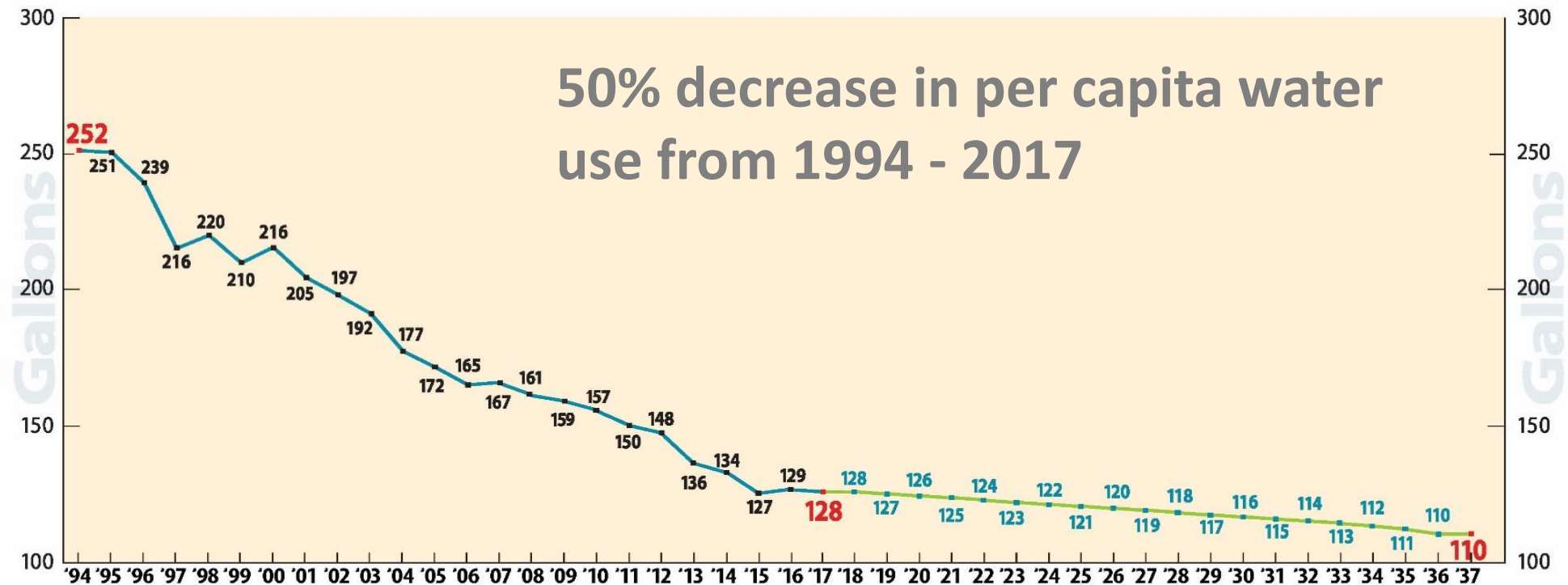
**Water 2120 Policy D** Continued progress in conservation to achieve a gallons per capita per day (GPCD) water usage of 110 will further extend our water supplies even in the face of climate change. The Authority shall utilize the conservation program to reduce GPCD to 110 by 2037.

# Water Conservation Goals Considered in Water 2120

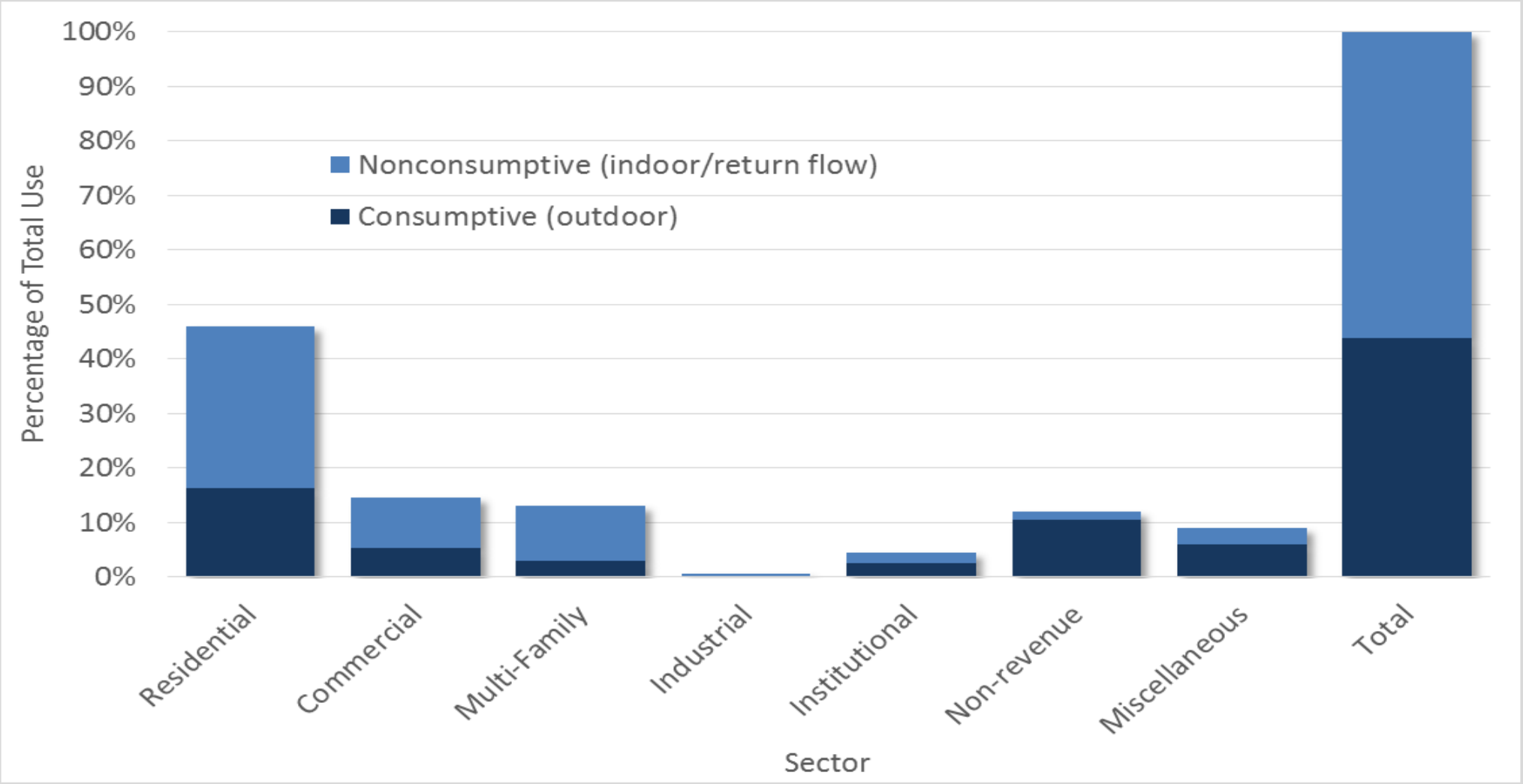


# Gallons Per Capita Per Day • 1994 - 2037

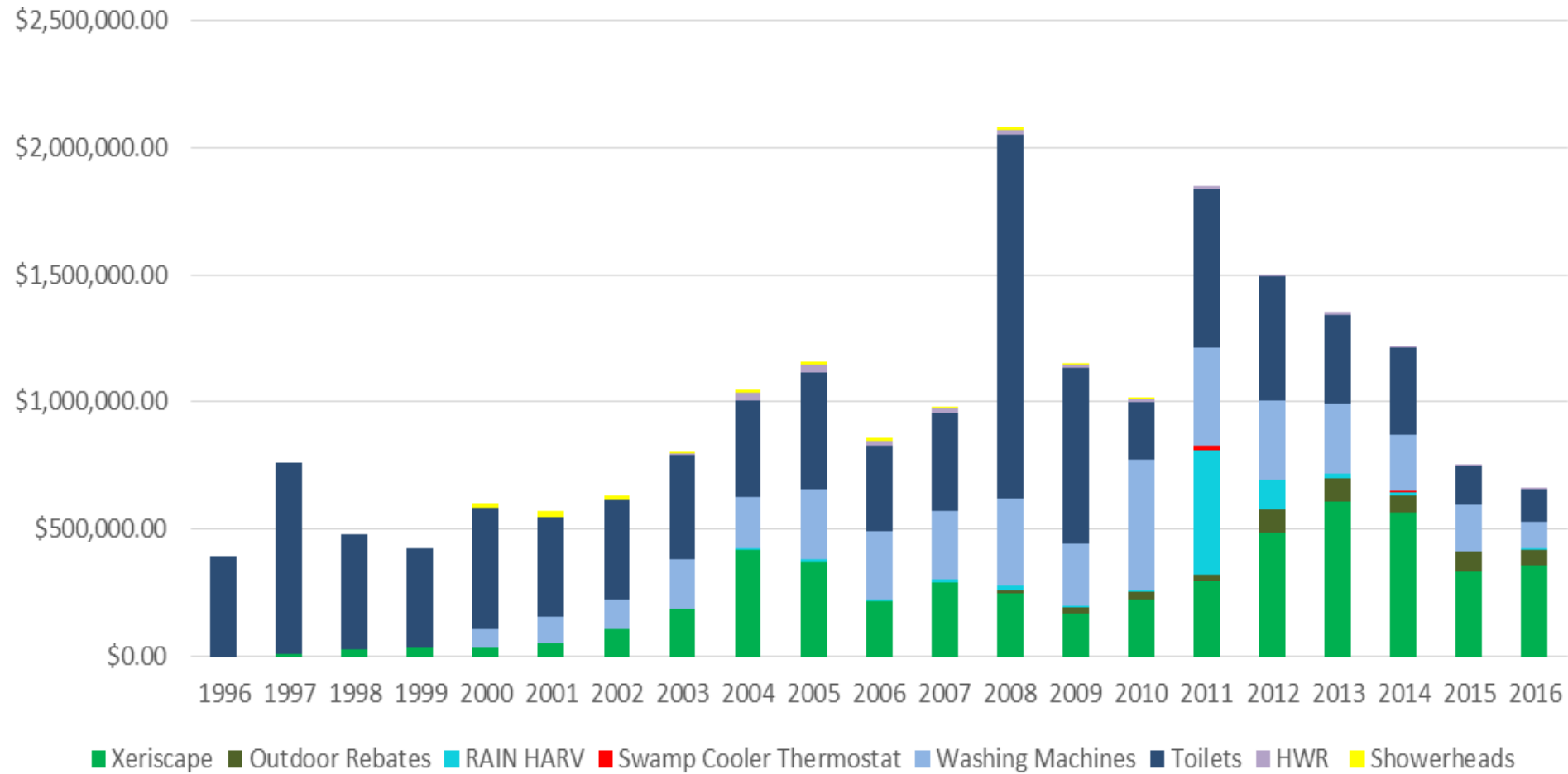
(Historical and Projected)



# Non-Consumptive Use (indoor) and Consumptive Use (outdoor)

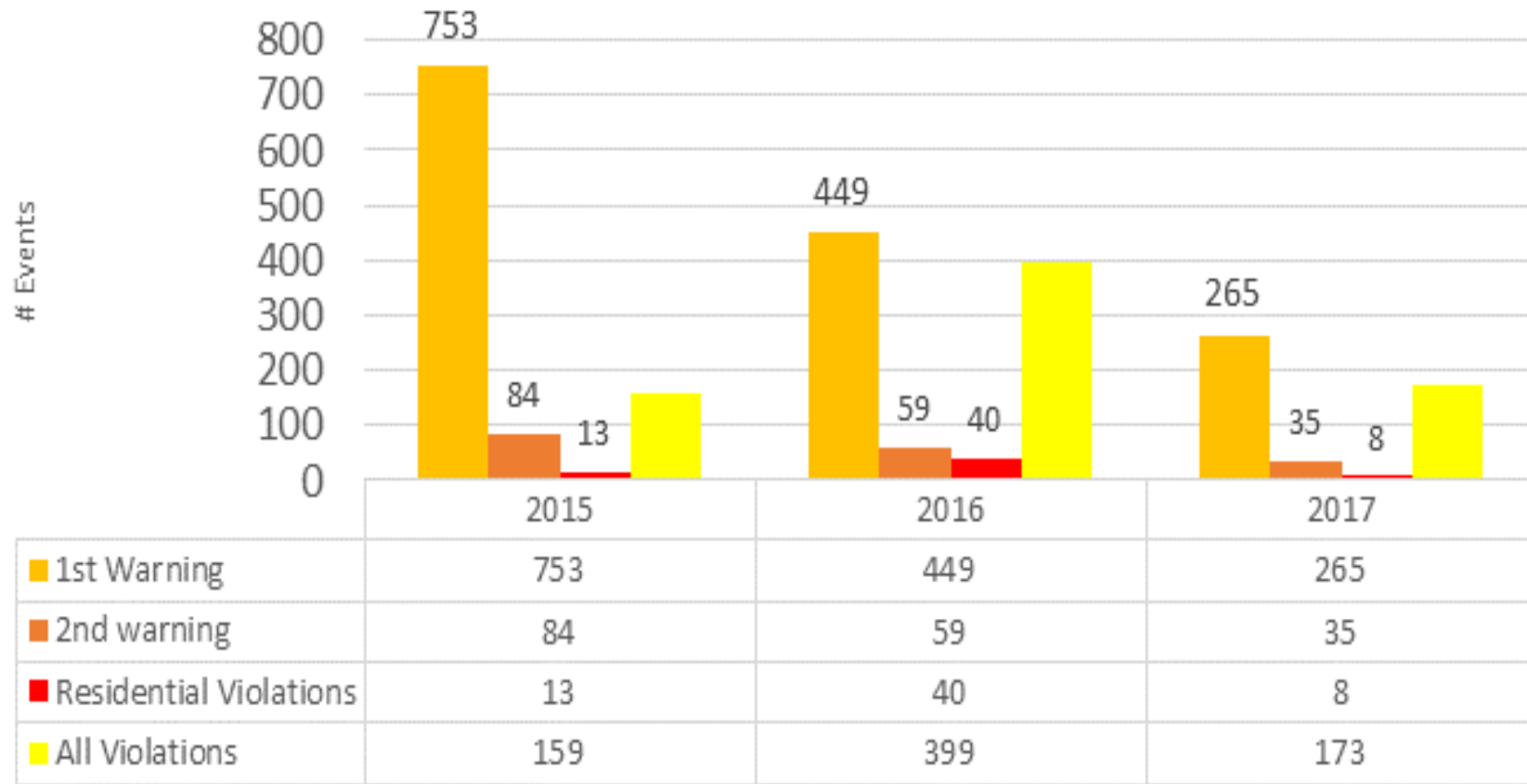


## Annual Rebate Expenditures



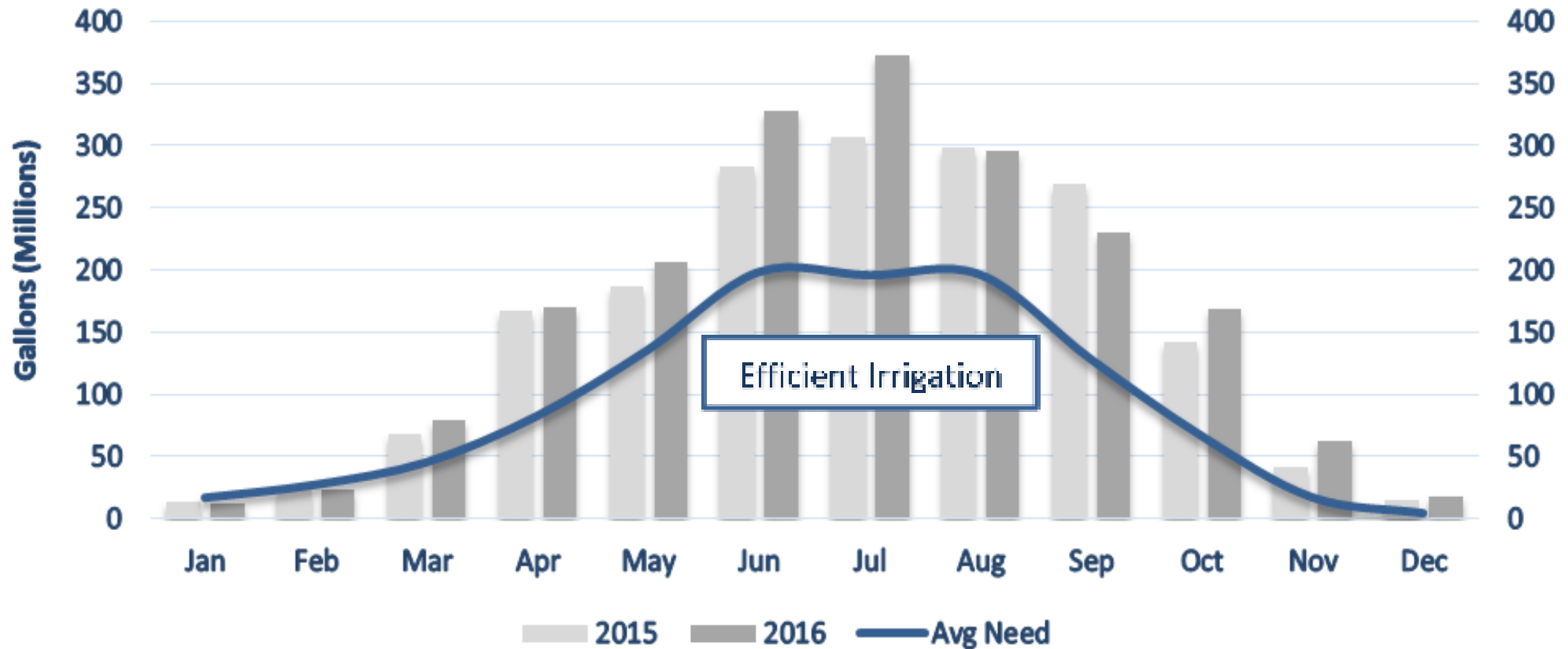
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## Warning System



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## Annual Irrigation Use vs Actual Need



***By working with these customers to increase efficiency we could conserve 1 billion gallons per year. This effort alone could help us reach the 110 GPCD by 2037.***



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Water Authority staff evaluated conservation programs to see what changes needed to be made to reach our goals and we identified our biggest opportunities in the area of **OUTDOOR IRRIGATION EFFICIENCY**



# Carlos Bustos, Water Conservation Program Manager

[cbustos@abcwua.org](mailto:cbustos@abcwua.org)

505-289-3005

[www.abcwua.org](http://www.abcwua.org)



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